PCT/US2004/029148

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A. CLASSIF IPC 7	FICATION OF SUBJECT MATTER G01B9/02 A61B5/00		!		
	International Patent Classification (IPC) or to both national classification	tion and IPC			
B. FIELDS		- combala			
Minimum do IPC 7	cumentation searched (classification system followed by classification GO1B A61B	η syrnoossj			
	ion searched other than minimum documentation to the extent that so		!		
ŀ	ata base consulted during the international search (name of data bas ternal, WPI Data, PAJ	e and, where practical, search terms used			
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with Indication, where appropriate, of the rele	vant passages	Relevant to claim No.		
Х	WO 98/35203 A (MASSACHUSETTS INST TECHNOLOGY) 13 August 1998 (1998-		1-6,15, 18-33, 45,80-93		
Υ	abstract; figure 1 page 19, line 20		7-14,16, 17, 34-44,		
	page 10, line 1 - line 3		46-79		
Y	WO 97/32182 A (MASSACHUSETTS INST TECHNOLOGY) 4 September 1997 (199	TTUTE OF 17-09-04)	11,12, 37,38, 61,62		
	page 27, line 8 - line 24; figure	· 11a			
	-	-/			
X Furt	her documents are listed in the continuation of box C.	X Patent family members are listed	in annex.		
Special ca	ategories of cited documents:	*T* later document published after the into	emational filing data		
consid	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the (international	or priority date and not in conflict with cited to understand the principle or th invention	the application but serry underlying the		
"L" docume which	date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another	<ul> <li>'X' document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the de 'Y' document of particular relevance; the</li> </ul>	il be considered to ocument is taken alone claimed invention		
O docum	n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or moans	cannot be considered to involve an in document is combined with one or m ments, such combination being obvious in the art.	iventive step when the ore other such docu-		
later t	ent published prior to the Internalional filing date but hen the priority date claimed	*8* document member of the same patent family  Date of mailing of the international search report			
	actual completion of the international search  4 March 2005	22/03/2005	aidriepur(		
	mailing address of the ISA	Authorized officer			
	European Patent Office, P.B. 5618 Patentlaan 2 NL - 2260 HV Rijswijk Tet. (+31-70) 340-2040, Tx. 31 651 epo nl,				
1	Fax: (+31-70) 340-3016	Schmidt, C.			

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Internation Application No
PCT/US2004/029148

		701/032004/029148
C.(Continua Category *	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages	Relevant to Claim No.
		7.10.10
Υ	WO 92/19930 A (MASSACHUSETTS INSTITUTE OF TECHNOLOGY; SWANSON, ERIC, A) 12 November 1992 (1992-11-12)	7-10,13, 14,16, 17, 34-36, 39-44, 46-70
	page 59, line 4 - page 62, line 18; figure	
A	WO 00/58766 A (SCIMED LIFE SYSTEMS, INC) 5 October 2000 (2000-10-05)	11, 12, 37, 38, 61, 62
	abstract; figure 1	02, 52
Α	US 6 501 551 B1 (TEARNEY GUILLERMO ET AL) 31 December 2002 (2002-12-31) abstract; figure 3	1,20,21
Y	US 4 601 036 A (FAXVOG ET AL) 15 July 1986 (1986-07-15) figure 5	71–79
Α	US 4 868 834 A (FOX ET AL) 19 September 1989 (1989-09-19) abstract; figure 1	71–79
A	EP 0 251 062 A (FUJITSU LIMITED) 7 January 1988 (1988-01-07)	15-17, 41-43, 65-67
	abstract; figure 7	
A	US 2003/023153 A1 (IZATT JOSEPH A ET AL) 30 January 2003 (2003-01-30) the whole document	81-93
A	US 6 341 036 B1 (TEARNEY GUILLERMO J ET AL) 22 January 2002 (2002-01-22) paragraphs '0018!, '0020!	1,20,21
	·	·

3

Infoi viation on patent family members

Internation pplication No PCT/US2004/029148

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9835203	A	13-08-1998	US WO US	5956355 A 9835203 A 6160826 A	2 13-08-1998
WO 9732182	A	04-09-1997	US AU EP JP US US US US US	6134003 A 1977597 A 0883793 A 2000503237 T 2002214127 A 6485413 B 6111645 A 9732182 A 6160826 A 6564087 B 6501551 B 6282011 B 5956355 A 2001036002 A	16-09-1997 11 16-12-1998 21-03-2000 31-07-2002 21 26-11-2002 29-08-2000 11 04-09-1997 12-12-2000 31 13-05-2003 31 31-12-2002 31 28-08-2001 21-09-1999
WO 9219930	A	12-11-1992	DE DE JP JP US US US US US US US US	69227902 D 69227902 T 0581871 A 3479069 B 6511312 T 2004105708 A 5459570 A 6485413 B 6111645 A 9219930 A 5465147 A 6160826 A 6564087 B 6282011 B 6282011 B 6134003 A 5321501 A 5956355 A 2001036002 A	17-06-1999 11 09-02-1994 13 15-12-2003 15-12-1994 14 08-04-2004 17-10-1995 13 26-11-2002 14 29-08-2000 11 12-11-1992 14 07-11-1995 14 12-12-2000 13 13-05-2003 13 13-05-2003 13 13-12-2002 14 17-10-2000 14 14-06-1994 15 12-1999
WO 0058766	A	05-10-2000	CA EP JP WO US	2367804 # 1181598 # 2002540465 T 0058766 # 6263133 B	A1 27-02-2002 T 26-11-2002 A1 05-10-2000
US 6501551	B1	31-12-2002	US US US US US US US US US US EP	5784352 // 6134003 // 5748598 // 5459570 // 6485413 // 611645 // 6160826 // 6564087 // 6282011 // 5956355 // 2001036002 // 1977597 // 0883793 //	A 17-10-2000 A 05-05-1998 A 17-10-1995 B1 26-11-2002 A 29-08-2000 A 12-12-2000 B1 13-05-2003 B1 28-08-2001 A 21-09-1999 A1 01-11-2001 A 16-09-1997

Information on patent family members

PCT/US2004/029148

	nt document search report		Publication date		Patent family member(s)		Publication date
US 6	501551	B1		JP	2000503237	T	21-03-2000
				ĴΡ	2002214127		31-07-2002
				WO	9732182		04-09-1997
				WO	9723870		03-07-1997
				WO	9701167		09-01-1997
				WO	9533970		14-12-1995
				DE	69227902		28-01-1999
				DE	69227902		17-06-1999
				EP	0581871		09-02-1994
				JP	3479069		15-12-2003
				JP	6511312		15-12-2003
				JP	2004105708		08-04-2004
				MO	9219930		12-11-1992
				US	5465147		07-11-1995
				US 	5321501	A 	14-06-1994
US 4	601036	Α	15-07-1986	CA	1223949		07-07-1987
				DE	3335317		05-04-1984
				GB	2129201		10-05-1984
				JP	1036987		03-08-1989
				JP	1551508		23-03-1990
	····			JP	59084487	Α	16-05-1984
US 4	868834	A	19-09-1989	NONE			
EP 0	251062	Α	07-01-1988	JP	1945322		23-06-1995
				JP	6071233		07-09-1994
				JP	63001124	Α	06-01-1988
				JP	2018681		19-02-1996
				JP	6071232		07-09-1994
				JP	63019928		27-01-1988
				CA	1290019	C	01-10-1991
				DE	3788537		03-02-1994
				DE	3788537		19-05-1994
				EP	0251062		07-01-1988
				ŪS	5003626		26-03-1991
			20 01 0000				21 10 1000
US 2	2003023153	A1	30-01-2003	US	6006128		21-12-1999
				AU	7711498		21-12-1998
				EP	1007901	_	14-06-2000
				JP	2002503134	T	29-01-2002
				WO	9855830	Al 	10-12-1998 
US 6	341036	B1	22-01-2002	US	2002122246		05-09-2002
				AU	758078		13-03-2003
				AU	2882399		15-09-1999
				EP	1057063		06-12-2000
				JP	2002505434		19-02-2002
				WO	9944089	A 1	02-09-1999